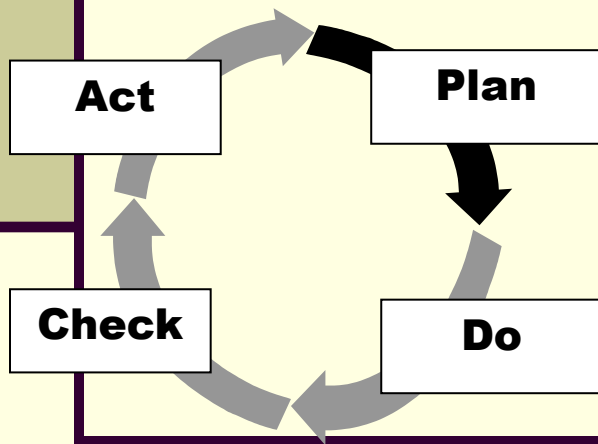


# Welcome to INTRODUCTION TO PROCESS IMPROVEMENT



Presented by:  
**Dan Druliner**  
**David Wright**  
**Doug Merrill**  
**Jeanne Semura**  
**Ray Hsu**

# Learning Objectives

---

- Learn the definition of “Process Improvement (PI)”
- Know what key activities occur in each step of the *PDCA Cycle*
- Use at least 4 PI tools
- Practice *PDCA* in a team setting

# Introductions

## QI Awareness Alive!

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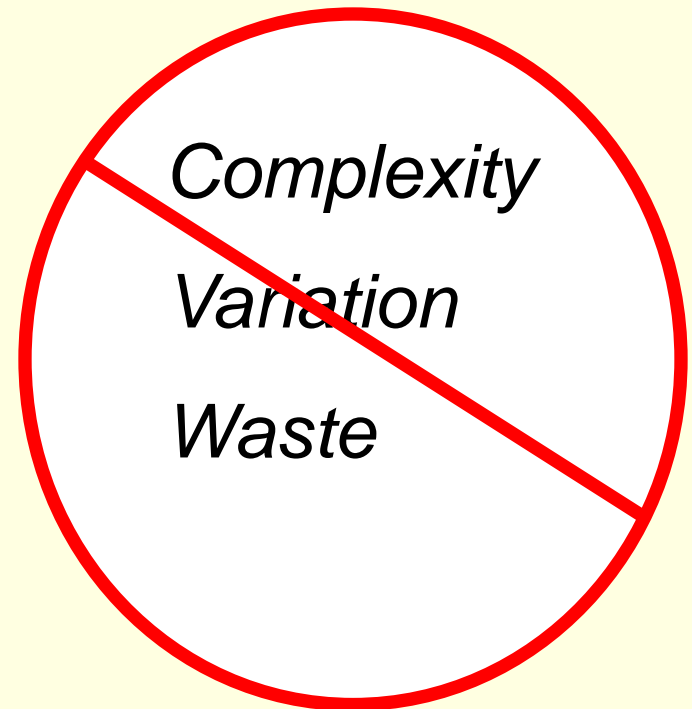
### **Ice Breaker**

- Select one of the “commitment to Quality Improvement” that you have experienced
  
- Introductions
  - Name, Role, How long in your job?
  - Which element of QI have you experienced?

# Three Goals of Process Improvement

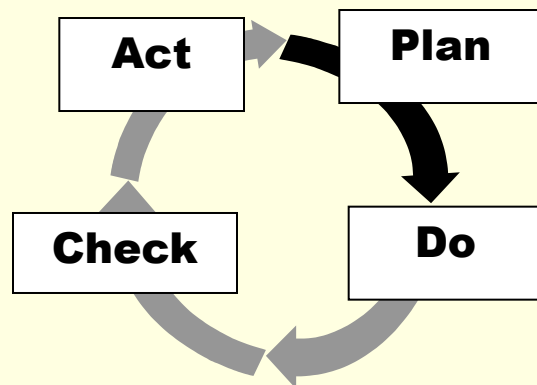
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- Reduce Complexity
- Reduce Variation
- Eliminate Waste



# What do we need to begin?

## 1. Process Improvement Mindset



## 2. An Approach



## 3. A Tool Kit



# 1. Process Improvement Mindset

---

## Think Differently

- Critical Thinking
- Problem Solving with Data
- What adds value to your customer
- You Make the Difference



# 1. Mindset

## F2 Framework for Improvement

---

- Quality Improvement (QI) Pyramid
- Finance & Facilities (F2) Strategy Map
- F2 Nine Quality Improvement Principles
- Process Improvement
- Project Management
  - Small Teams
  - Cross Functional Teams
  - University Wide Teams

# 1. Mindset

## Quality Improvement Pyramid

### Extraordinary Leader

1. Displays High Integrity and Honesty
2. Technical and Professional Expertise
3. Solves Problems and Analyzes Issues
4. Innovates
5. Practices Self-Development
6. Drives for Results
7. Establishes Stretch Goals
8. Takes Initiative
9. Communicates Powerfully & Prolifically
10. Inspires and Motivates Others to High Performance
11. Builds Relationships
12. Develops Others
13. Collaboration and Teamwork
14. Develops Strategic Perspective
15. Champions Change
16. Connects the Group to the Outside World
17. Customer Focus

### WSQA and Baldrige Award

1. Leadership
2. Strategic Planning
3. Customer & Market Focus
4. Measurement, Analysis and Knowledge Management
5. Workforce Focus
6. Process Management
7. Results





# 1. Mindset

## Quality Principles and the F2 Strategy Map

### What are the goals?

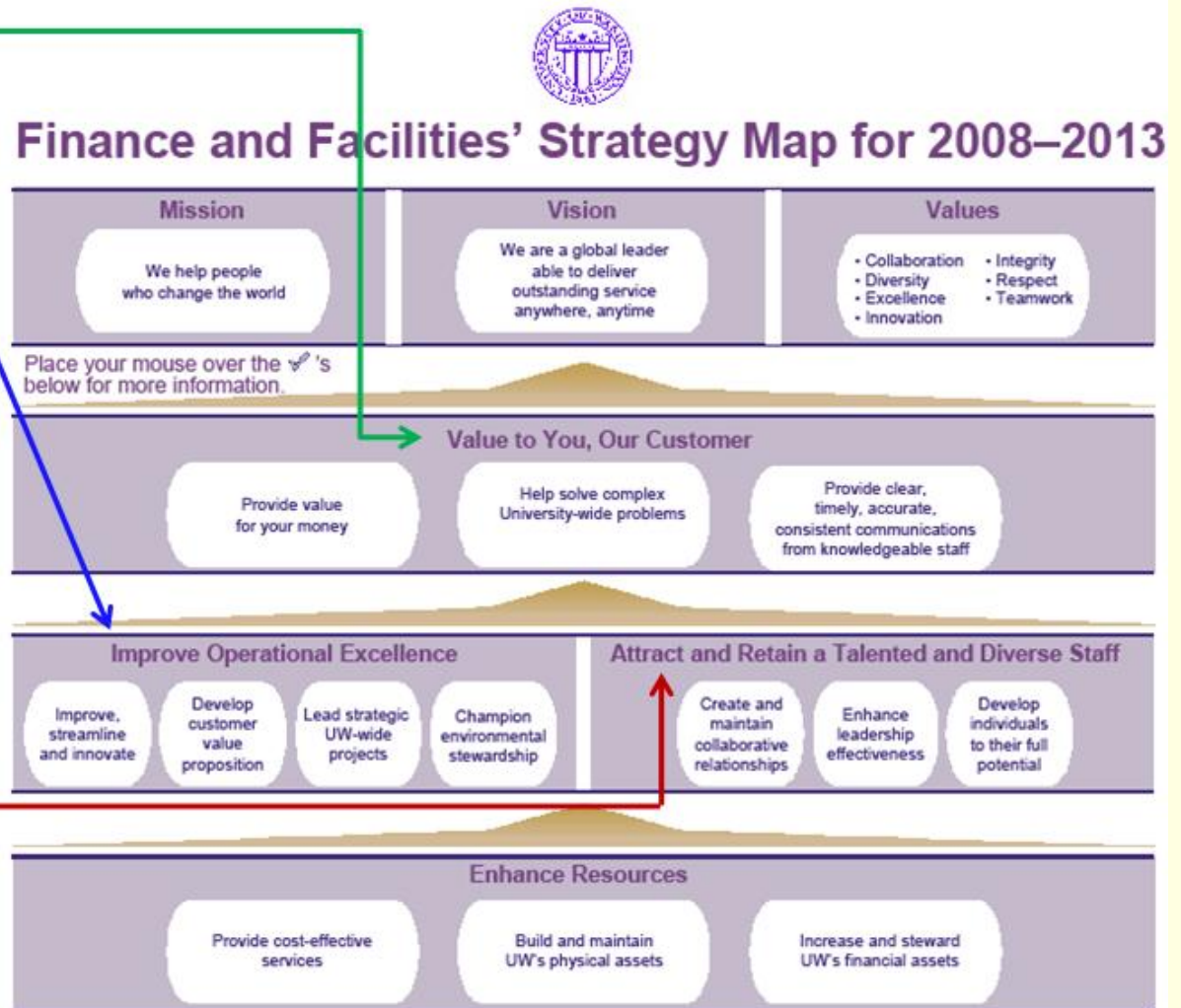
1. Customer Focus
2. Continuous Improvement

### How is it done?

3. Quality Definition
4. Work Process Focus
5. Prevention
6. Error-Free Attitude
7. Manage by Facts

### Who does it?

8. Empowerment
9. Total Involvement



# 1. Mindset

## F2 Nine Quality Improvement Principles

---

1. Customer Focus
2. Continuous improvement
3. Quality Definition
4. Work Process Focus
5. Prevention
6. Error-free Attitude
7. Manage by Facts
8. Empowerment
9. Total Involvement

# Quality Principles

## Customer Focus

### Who is the Customer?

The customer is the individual or organization receiving your services.

Internal or External

Who are UW customers?

1. Research Faculty?
2. Students?
3. ?

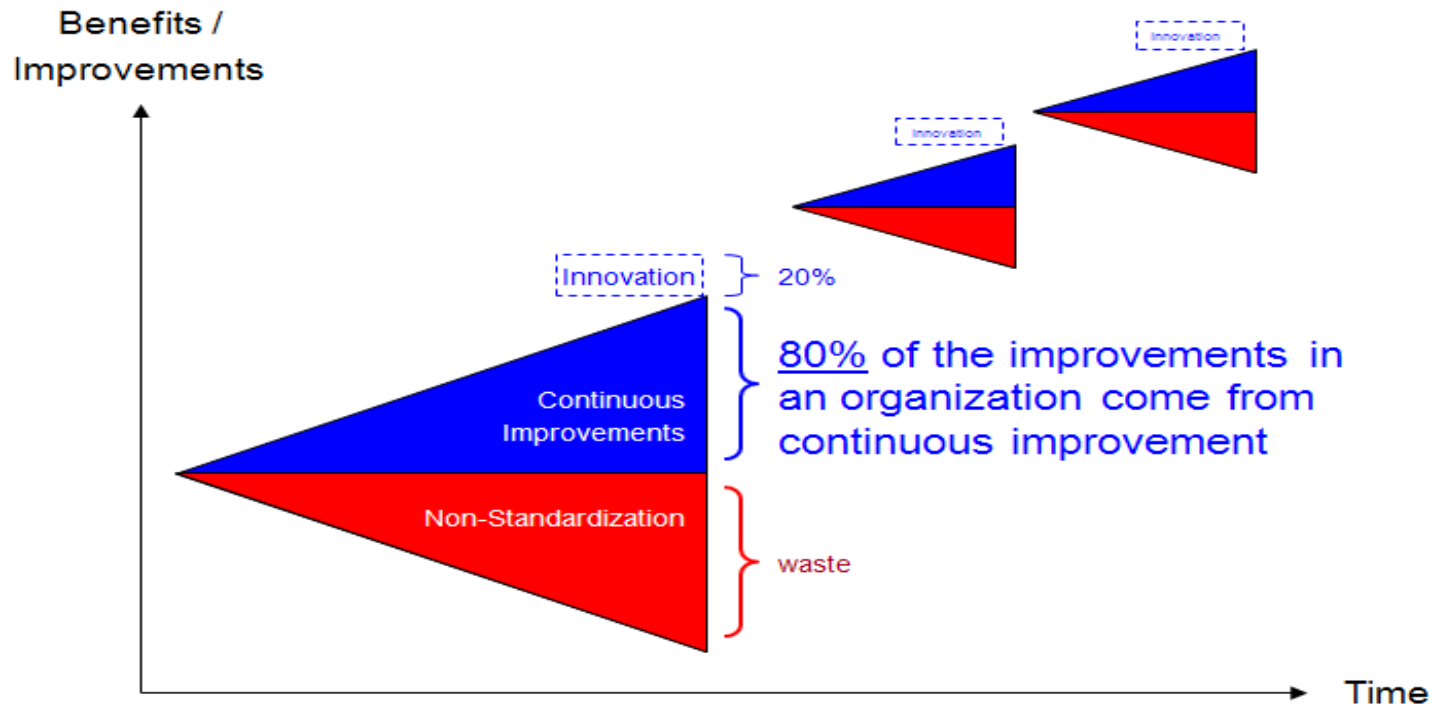
### What do you need to know about the Customer?

- ★ Customer expectations must be clearly understood and met.
- ★ Anything that does not add value to the customer is waste.
- ★ Customer / supplier partnerships must be developed at every level.

# Quality Principles

## Continuous Improvement

*Continuous improvement is the constant, gradual and incremental improvements of operations*



# Quality Principles

## Error-free Attitude

*“ I will make a constant, conscious effort to satisfy my internal and external customers ”*

What does it mean to our customer if our processes are right 95% of the time.

Example: Customer can potentially experience 15% variance



95% - Vendor



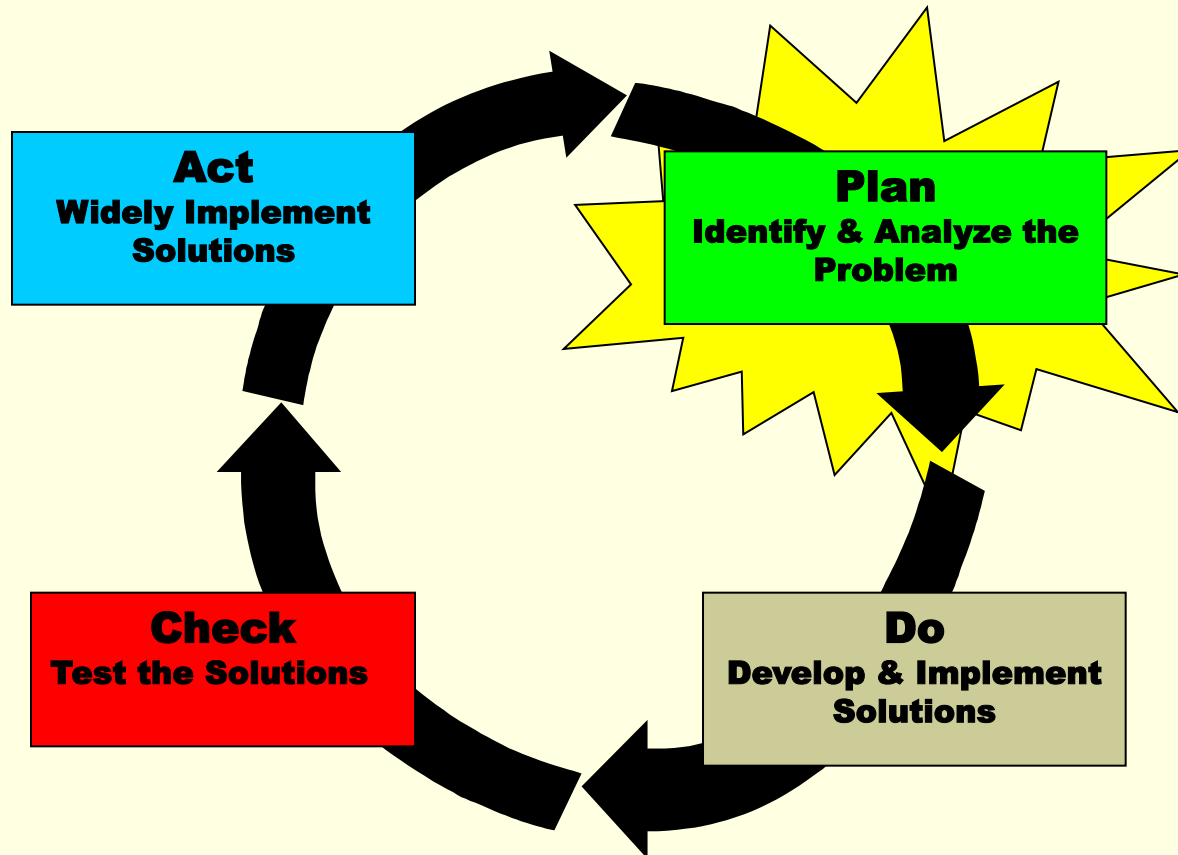
95% - Buyer



95% - Dept. Admin.

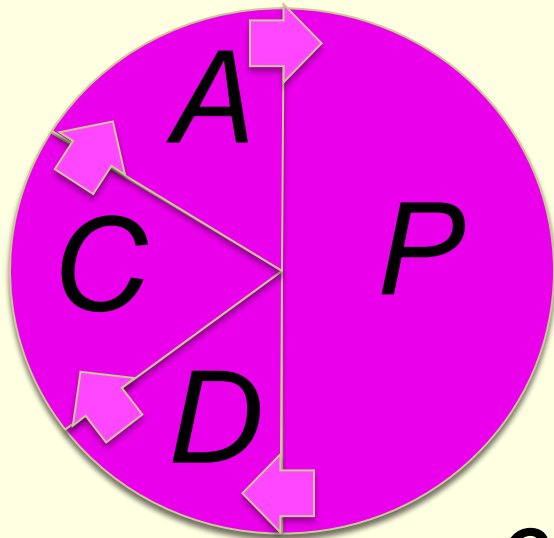
## 2. An Approach

### Plan - Do - Check - Act Improvement Cycle



## 2. An Approach

PDCA: Plan, Do, Check, Act



### **PLAN**

What is customer saying needs to be improved (Listen to the VOC)  
Well begun is half done

What are you trying to accomplish  
(Identify objectives)

### **DO**

Identify key team members  
Test solution

### **CHECK**

Check the results  
Know if a change is an improvement  
(Identify measures)

### **ACT**

on results  
(Implement or revisit plan. If altered, revisit plan)

Periodically measure  
What change do you plan to make  
(Identify potential solution)

Communicate and celebrate

Plan test

# Review / Next Steps

---

## **Review**

Reduce Complexity, Variation & Waste

Three requirements: Mindset, Approach Toolkit

Nine Quality-improvement Principals

PDCA Approach

## **Next Steps**

Birth of a project

Spin & Marty case study

Brainstorming & Green-Lighting

Teams

Affinity Diagram



# Plan

## Birth of a F2 Improvement Project

---

- Problems with a process becomes evident
- Process Owner shares and requests staff input
- Staff & Process Owner reviews existing baseline data
  - What data already exist?
    - Cycle Times?
      - Late deliveries, etc.
    - Phone or email data?
      - Areas of inquiry
    - Customer surveys?

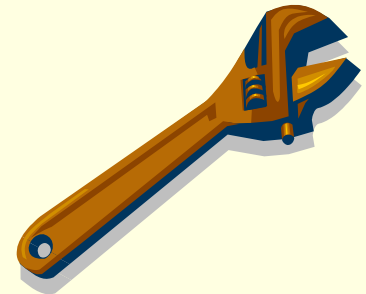
# Plan

## 3. A Tool Kit – Generating ideas

---

### Tools you can use:

- Brainstorming & Green-lighting
  - A group exercise to generate ideas
- What questions does the data raise?



# Case Study: Spin & Marty

## Overview of the Spin and Marty Story

- Class participants are consultants for Spin & Marty
- Review minutes late data
- Identify team roles
  - Executive Sponsor – Jeanne Semura
  - Project Sponsor – Designated class faculty
  - Team Leader – Each table to designate
  - Scribe – Each table to designate
  - Team Members – Each table to designate

**Note: At the end of the class the consulting contract will be awarded to one of the teams.**

# Exercise

## 3. A Tool Kit – Generating ideas

---

### F2 Operations Team Exercise

- Brainstorming

- Using Number of Minutes Late, Menu & store layout data
- Use post-it notes

# Plan

## Selecting a Process to Improve

---

### Factors to Consider

- Alignment with higher goals and objectives
- Complexity of the problem
- Impact of the Problem
- Measurability
- No one else is working on the problem



# Plan

## Selecting a Process to Improve

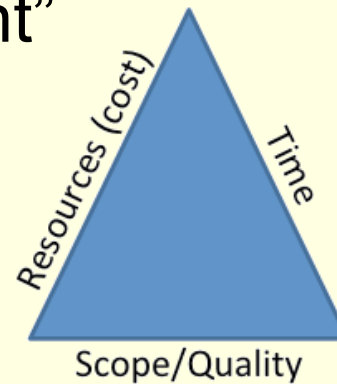
### Constraints to Consider

- The PM “triple-constraint”

Scope / Quality

Resources

Time



- Problem Type - *Control or Influence?*

Type 1: Control: Within your control

Type 2: Influence: Influence but no control

Type 3: Neither control nor influence

# Plan

## Birth of a F2 Improvement Project

---

### Creating a Process Improvement Team

- Present initial problem statement to Sponsor with supporting data
- Process Owner and Sponsor begin development of charter
- Team Members identified to match scope of project

# Plan

## Birth of a F2 Improvement Project

---

### Creating a Process Improvement Team

- Types of teams
  - Crisis / Task / Process Improvement
- Team Size
  - 5-7
- Team Sponsor
- Team Leader
  - Process owner
- Team Members
  - Customers
- Facilitator (optional but important)



# Plan

## Birth of a F2 Improvement Project

---

### Creating a Process Improvement Team

- Initial Team Meeting
  - Review & finalize Charter
    - Identify Customers
    - Identify Stakeholders
    - Develop plan to understand the customer requirements
      - Begin “As Is” process map
      - Define & review communications plan

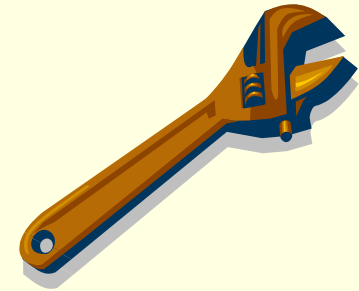
# Plan

## 3. Toolkit - Developing a Charter

---

### Charter Components:

- Problem Statement
- Goal Statement
- Business Case
- Scope
- Project Sponsor(s) and Team Members
- Major Customers and Stakeholders
- Project Timeline

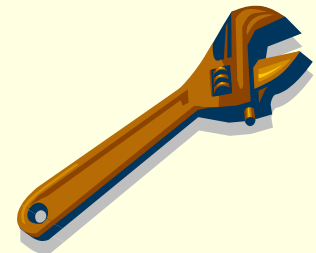


# Plan

## 3. Toolkit - Organizing Ideas or Activities

### Affinity Diagram

- A tool used to organize related ideas or activities. Examples include:
  - Group together similar issue in the problem assessment phase
  - Group similar ideas from a brainstorming activities
  - Group common activities related to implementing solutions.



# **Exercise – 10 Minutes**

## **Case Study: Spin & Marty**

---

### **Use the Affinity Diagram to group related ideas**

- As a team use the Brainstorming or Greenlighting data compiled by the F2 operational team
  - Brainstorm or Greenlight to expand upon the original data

### **Consultant Team Roles & Responsibilities**

- Team Leader
- Scribe
- Take turns presenting work

**Always use flip charts, and be prepared to present your work.**

# Review / Next Steps

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## **Review**

- Birth of a project
- Spin & Marty case study
- Brainstorming & Green-Lighting
- Teams
- Affinity Diagram

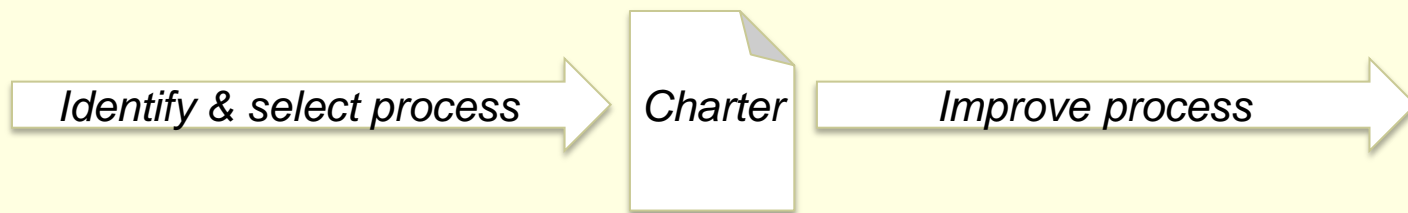
## **Next Steps**

- Problem Statement
- Measurable Goals
- Communication Plan
- Bubble Chart

# Plan

## 3. Toolkit - Developing a Charter

- Problem Statement that includes a data statement
- Project Goal or Objective
- Communications Plan



# Plan

## Charter - An Effective Problem Statement

---

**An Effective Problem Statement includes:**

**Effect:** States the effect (not the cause)

**Gap:** States the gap between current and desired state

**Specific:** Clear facts

**Measurable:** Quantifiable and measurement of progress.

## Charter - An Effective Problem Statement

---

### Problem Statement - Tips

- **Focus on the Pain**

- **Avoid:**

- “Lack of”
- “Due to”
- “Results in”

.....if they imply a cause or a solution



## Exercise

# Case Study – Problem Statement

---

### Problem Statements – 5 minutes

- Review handout example of problem statements
- Assign teams problems statements to review / discuss.
- Teams report out.

## Exercise

# Case Study – Draft a Problem Statement

---

### Problem Statement – 15 minutes

- Each team draft a Spin and Marty case study problem statement based upon the brainstorming exercise to identify potential process improvements.
- Team report out

# Plan

## Examples of Measurable Goals

---

- Reduce time to pay manual invoices from 12 days to 6 days by XX date
- Reduce wait time for customers to speak to a representative from 2 minutes to 30 seconds by XX date
- Increase percent of staff satisfied with training from 50% to 90% by XX date
- Increase UW's Endowment by 5% for XX year by XX date
- Reduce 50% of the errors from the current performance level by XX date

# Exercise

## Case Study – Draft a Goal Statement

---

### Team exercise – 5 minutes

- Write a goal statement based upon the problem statement your team identified from the Spin and Marty case study.
- Team report out

# Plan

## Charter - Create a Communication Plan

---

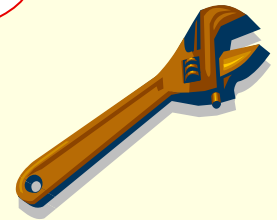
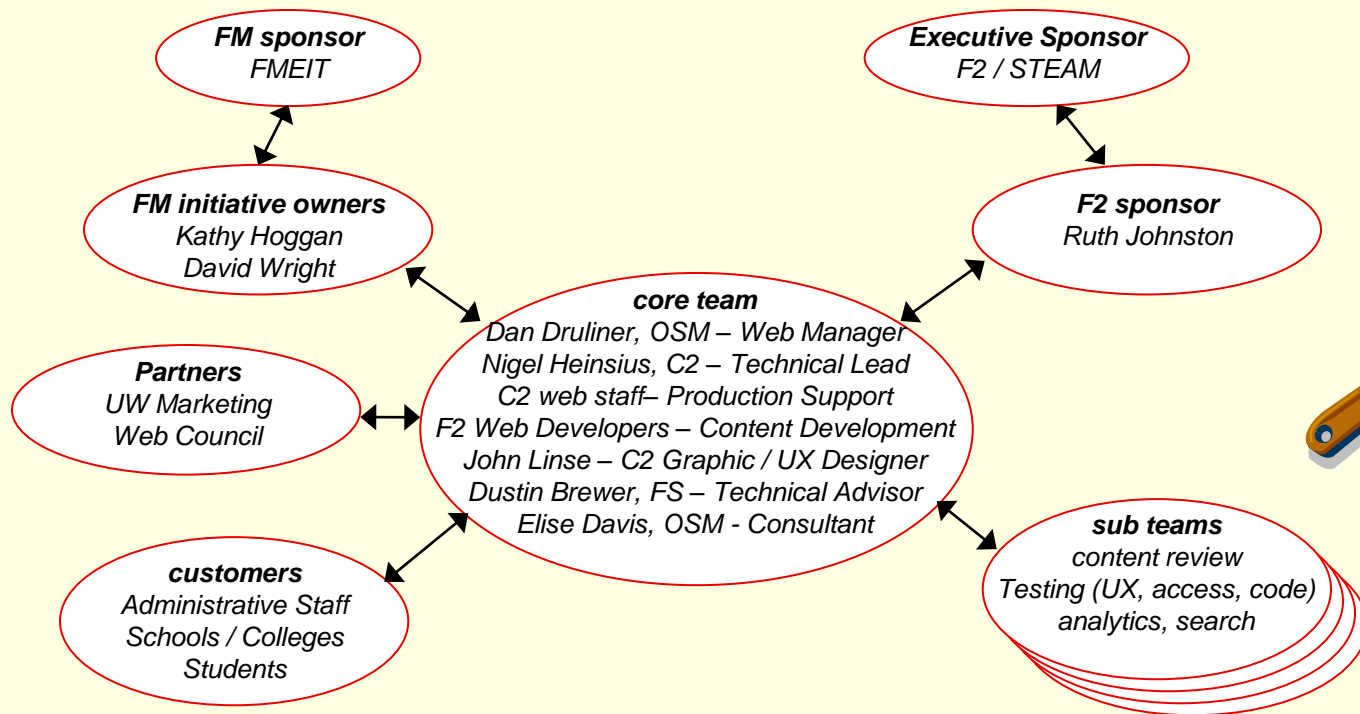
### Communication Plan

The value of the awareness and opportunity for feedback on your process improvement project will directly impact the acceptance of change and the success of your overall solution.

# Plan

## 3. Toolkit - Identifying Stakeholders

Show a bubble chart to highlight need for communications plan and identifying / value of stakeholders.



# Plan

## Charter - Create a Communication Plan

- Identify Customers and Key Stakeholders
  - What questions does the team want to ask?
  - Provide opportunity for general input / feedback

### ***Communication Planning Tool -Tool Kit***

<i><b>Who</b></i>	<i><b>Purpose or Questions to Ask</b></i>	<i><b>Responsibility / Complete By</b></i>	<i><b>Dates / Milestones</b></i>	<i><b>Summary</b></i>
Stakeholder	Awareness, Data Needs, Get Feedback / Input	Team Member / by XX date	Data Analysis, Identify Solution, Piloting etc.	Priorities/ Concerns
Customer	Identify Requirements or What is Important	Team Member / by XX date	Identify Solution, Results of Pilot, Final Rollout	Customer Requirements



# Review / Next Steps

---

## **Review**

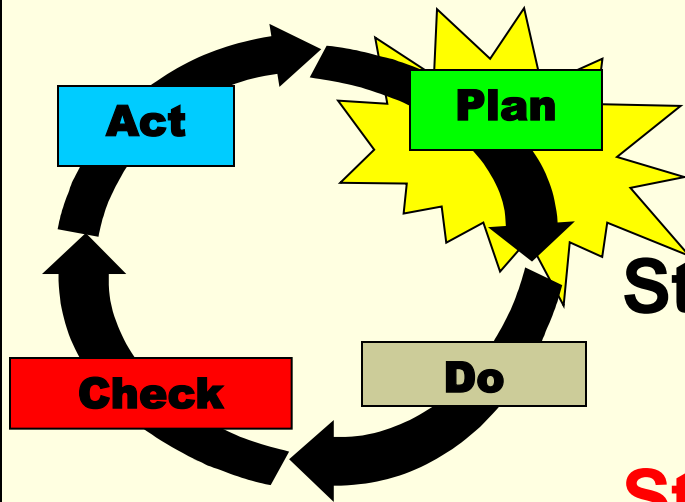
- Problem Statement
- Measurable Goals
- Communication Plan
- Bubble Chart

## **Next Steps**

- What is a process
- Scope / Boundaries
- Create & Validate Flowcharts
- Analyze Flowcharts



# Planning for Improvement



**Step 1** Select a process & form a team

**Step 2 Understand the current process**

**Step 3** Collect & analyze baseline data

**Step 4** Determine root causes

# Plan

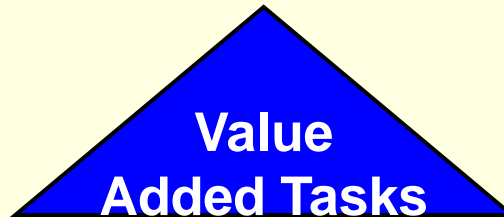
## What is a Process?



A resource that you will add value to:



- Materials
- Goods
- Supplies
- Resources
- Physical
- Non-physical
- Data
- Event



**TRANSFORMING**  
input to a desired output



- Manufacturing
- Service
- Physical
- Non-Physical



An input after you have added value



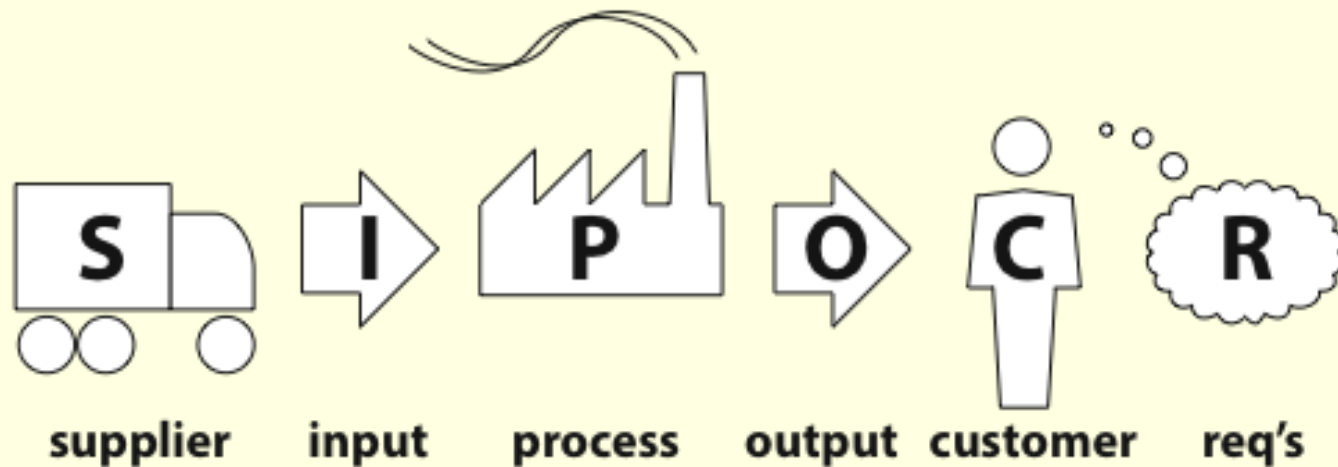
- End product
- Service
- Performance
- Physical
- Non-Physical

# Plan

## Step 2: Understand the Current Process

### Clearly Define the Process Boundaries

- Beginning and End Points
- Identify Suppliers and Customers



# Group Exercise

## Step 2: Understand the Current Process

---

### Determining Process Boundaries

- What are some high-level processes in the Spin and Marty situation?
- Which of these processes will you need to look at as part of your improvement effort?

# Plan

## Understanding Customer Expectations

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### Customer Requirements Overview

- Customer Identification
- Collection of customer requirements
- Team review of customer requirements
- Process improvement aligns with the customer requirements

# Plan






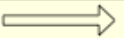
## Step 2 – Flowchart As-Is Process

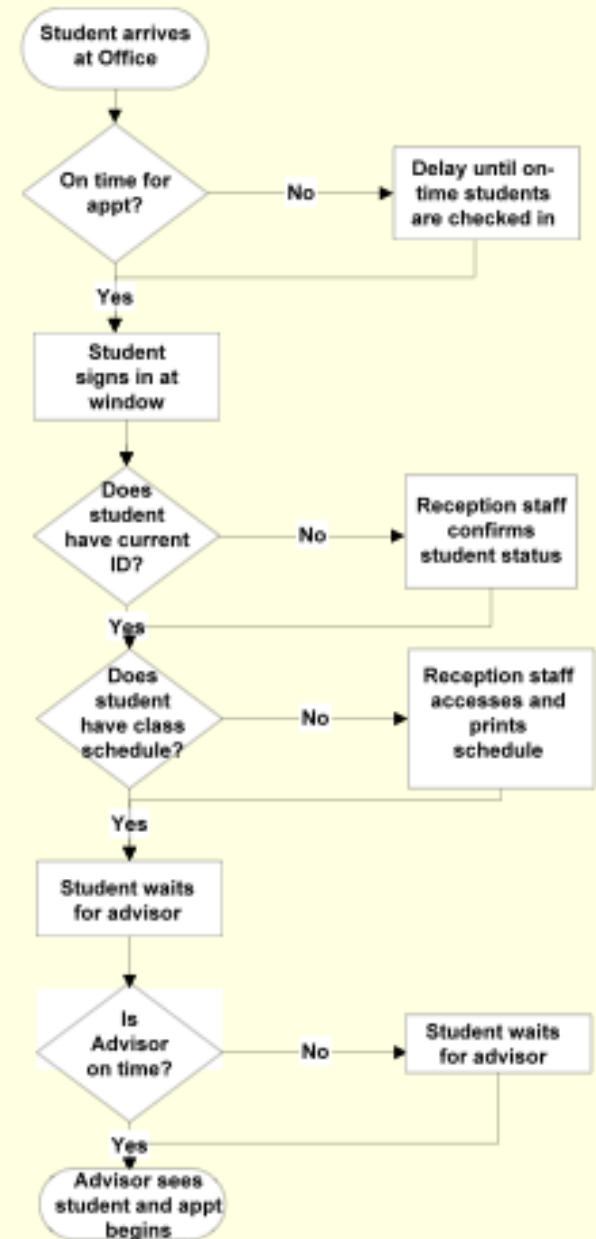
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- Begin by documenting the current process
- Types of Flowcharts (Tool Kit)
  - Straight-line (Horizontal or Vertical)
  - Top Down (High Level)
  - Departmental or Cross Functional



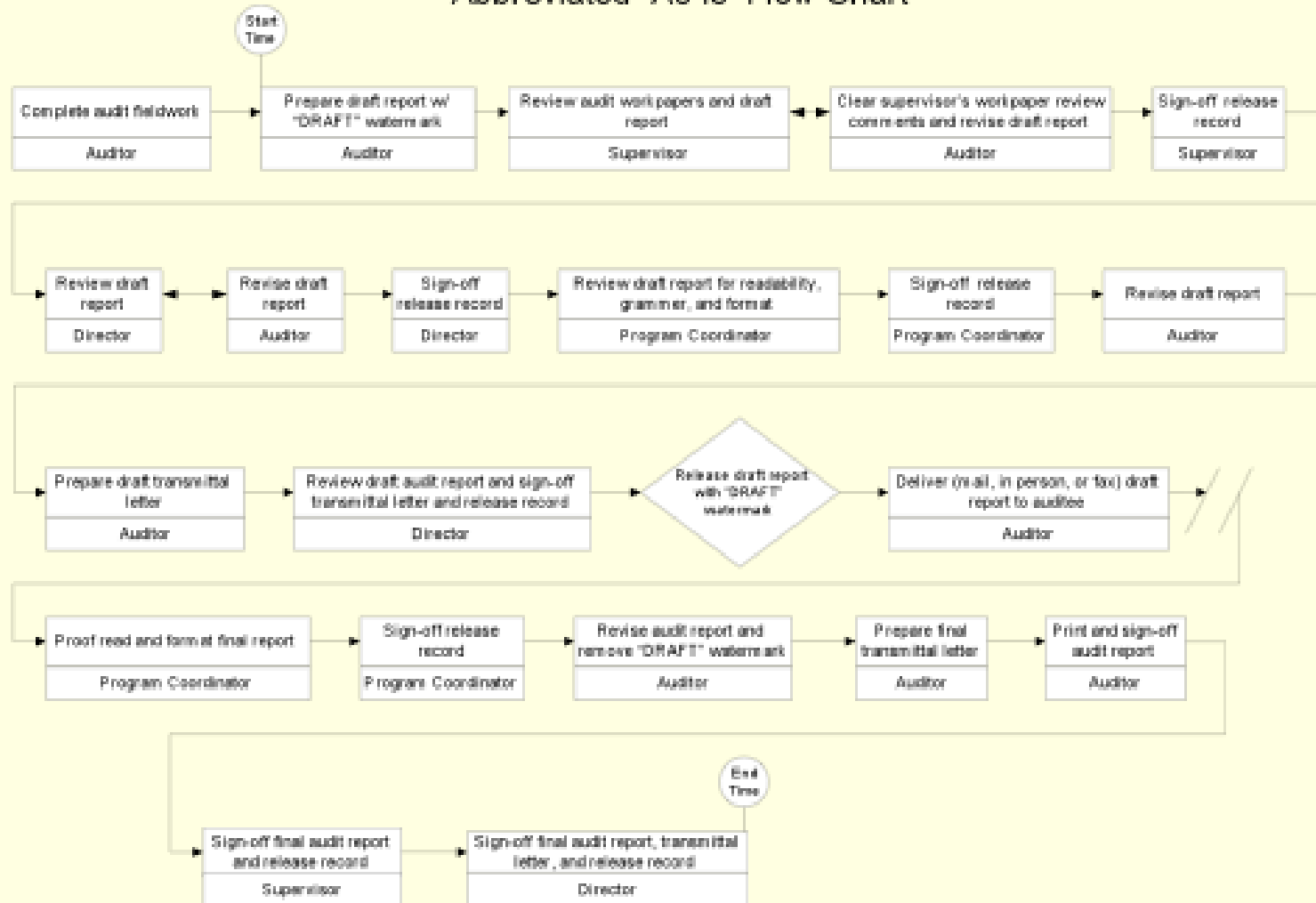
# Sample Flowcharts and Symbols

SYMBOL	REPRESENTS	EXAMPLE
	Beginning or Ending point	Receive complaint / Complete process
	Decision Point	Yes / No Pass / Fail
	Activity	Hold a meeting Make a phone call
	Document	Report is completed Form is filled out
	Connector	Go to another page or another part of the flowchart
	Flow	Move from one activity to next



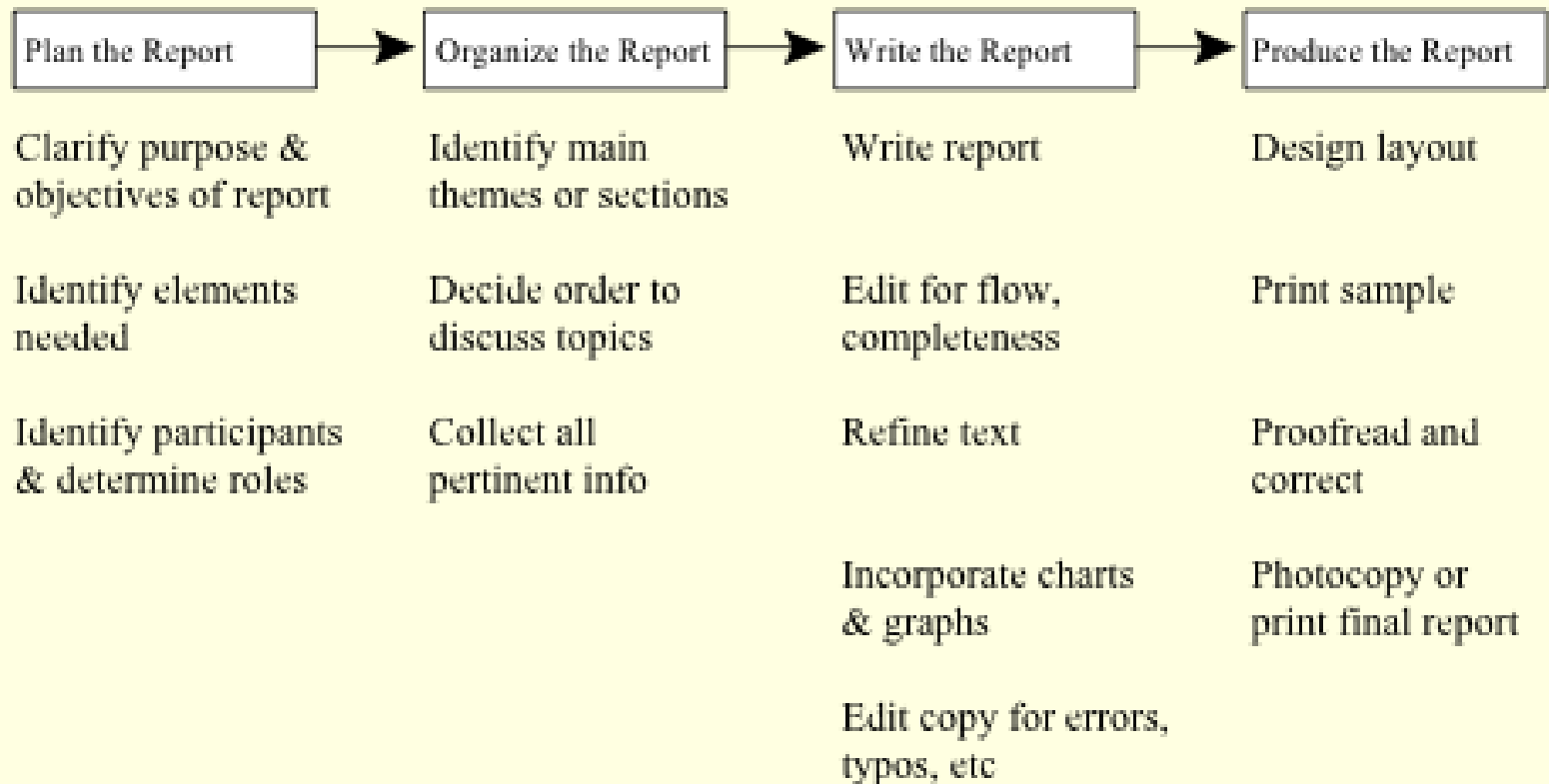
# Sample Flowcharts

Internal Audit -  
Abbreviated "As-Is" Flow Chart

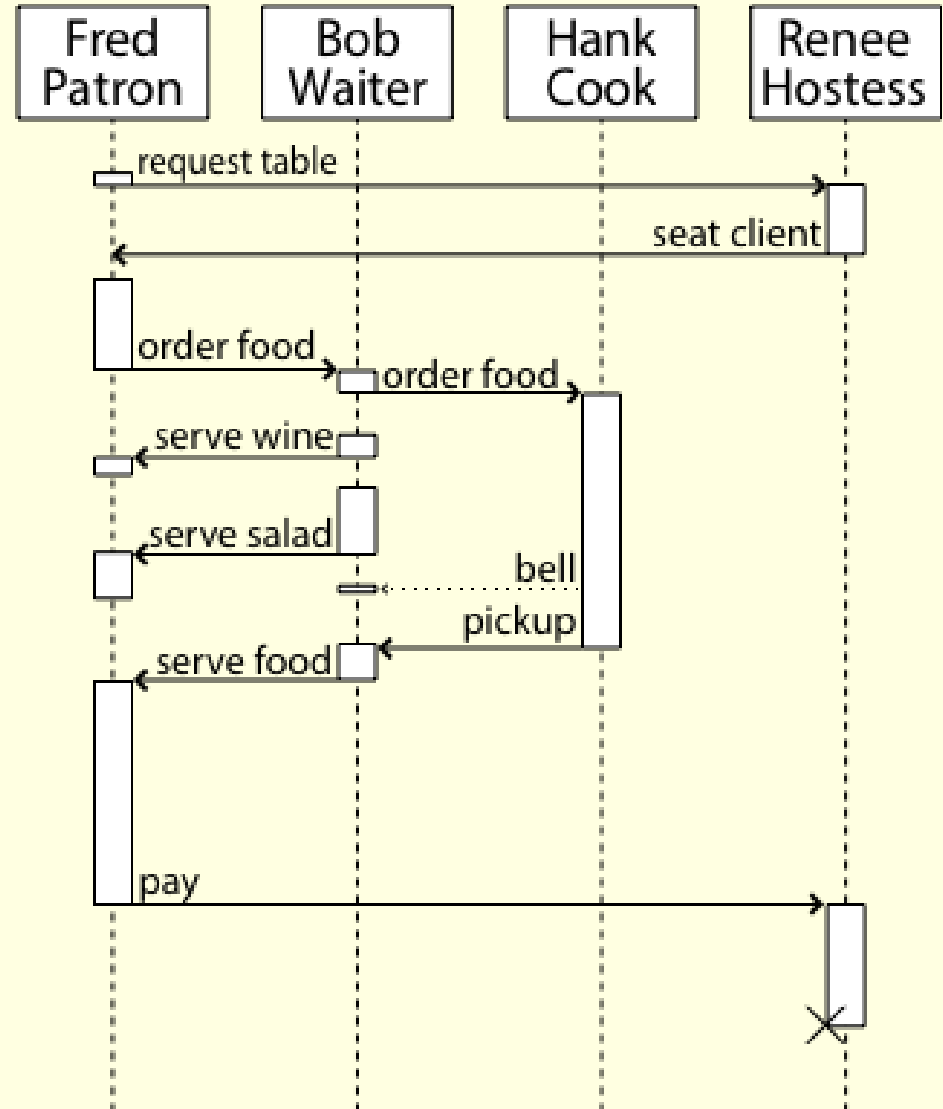




# Sample Flowcharts – Top Down



# Sample Flowcharts – Swim Lane



## Exercise

# Case Study – Create “As Is” Process Map

---

### **“As Is” Process Map - 20 minutes**

- Each team needs to create a “As Is” process map that details each step in the Spin and Marty process as defined by their problem statement.

# Plan

## Validate the “As Is” Process Map

---

Validation of “AS IS” process map

**Must Include:**

The Three ‘Actuals’

- Go to the actual place
- Talk to the actual people
- Walk the actual process

Validates work or assumptions

# Plan

## Step 2: Understand the Current Process

---

### ■ Analyze the Flowchart

- Direction of the work flow
- Value-added steps?
- Complexity
- Variation
- Cycle Time

***Can we  
eliminate  
waste?***

# Review / Next Steps

---

## **Review**

What is a process

Scope / Boundaries

Create & Validate Flowcharts

Analyze Flowcharts

## **Next Steps**

Collect & Analyze Baseline Data

Check Sheets

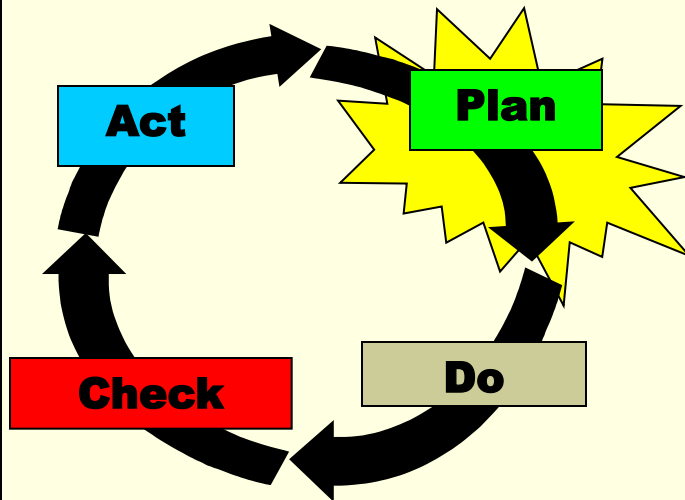
Surveys, Run Charts, Pareto Graph

Root Causes 5 whys, Cause & Effect

Waste & Value Added

# Plan

## Step 3: Collect and Analyze Baseline Data



**Step 1** Select a process & form a team

**Step 2** Understand current process

**Step 3 Collect & analyze baseline data**

**Step 4** Determine root causes

# Plan

## Step 3: Collect and Analyze Data

---

### Data Collection Questions:

- What data already exists?
- What needs to be collected?
  - If more data is needed, who and how will collect the data?
  - How do you ensure that data is collected consistently?



# Plan

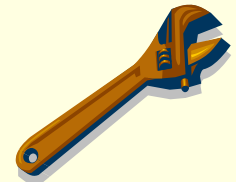
## Step 3: Collect and Analyze Data

### Check sheets

Used to collect data about “How often are certain events occurring?”

*Problem: Complaints about coffee*

<b><i>Date</i></b>	<b><i>Cold</i></b>	<b><i>Bitter</i></b>	<b><i>Weak</i></b>
3/1/09 am			
3/1/09 pm			
3/2/09 am			
3/2/09 pm			



# Plan

## Step 3: Collect and Analyze Data

---

### Surveys

- Used to collect data about the knowledge, experience, and opinions of a targeted group of people



# Group Discussion

## Additional Data Needed ?

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### Data Collection

- What other types of data would you need for the Spin and Marty case study?

# Exercise

## Analyzing Additional Data

---

### Spin and Marty Case Study

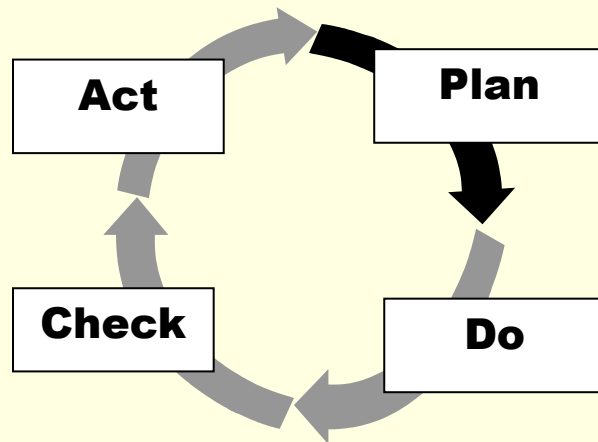
- Additional Data
  - Survey results on customer complaints
  - Revenue breakdown
  - Take out orders information
- Team Exercise – 25 minutes
  - Review / discussion of new data

Does your problem or goal statement need to be updated?

# WELCOME BACK

---

## Introduction to Process Improvement – Day 2



Presented by:  
**Dan Druliner**  
**David Wright**  
**Doug Merrill**  
**Jeanne Semura**  
**Ray Hsu**

# Yesterday / Today

---

## **Review**

QI in F2, 9 principles, 3 things to begin, PDCA

Birth of a Project: brainstorming, teams

Documentation: charter, problem, goal, bubble

Scope / Boundaries, Analyze Current Process

## **Next Steps**

More tools: Run Chart, Pareto, root cause, 5 whys

Waste & Value Added

Decision / Solution Matrix, Multi-voting, Green-Lighting

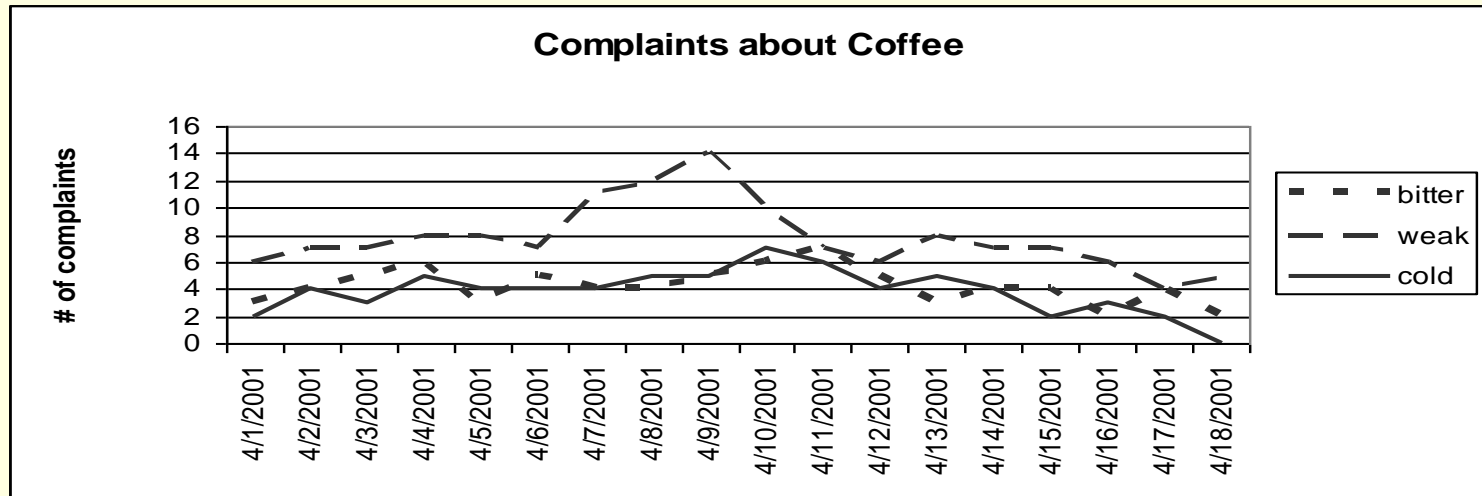
Final Presentation to Sponsor

Just do it

# Plan

## Step 3: Collect and Analyze Baseline Data

**Run Charts**, sometimes referred to as trend charts, are used to visually represent data over time. This is a common tool used in analyzing baseline or root cause data, to determine which possible causes are most prevalent over time.



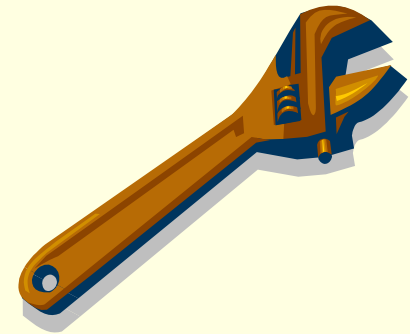
# **Plan** - Step 3: Collect and Analyze Data

## **Tool to Prioritize Problems to Solve**

---

### **Pareto Graph**

- A special form of vertical bar graph which helps to determine which problems to solve in what order.

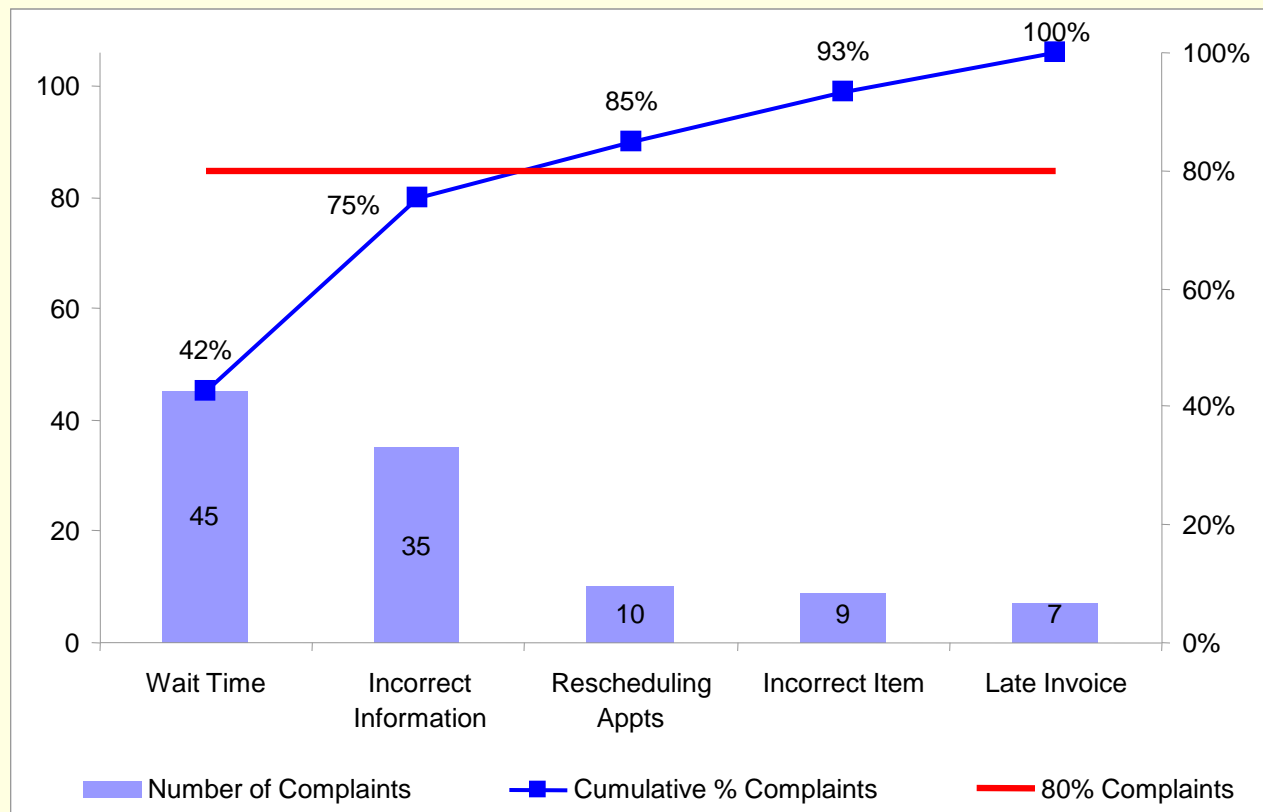




# Plan Step 3: Collect and Analyze Data

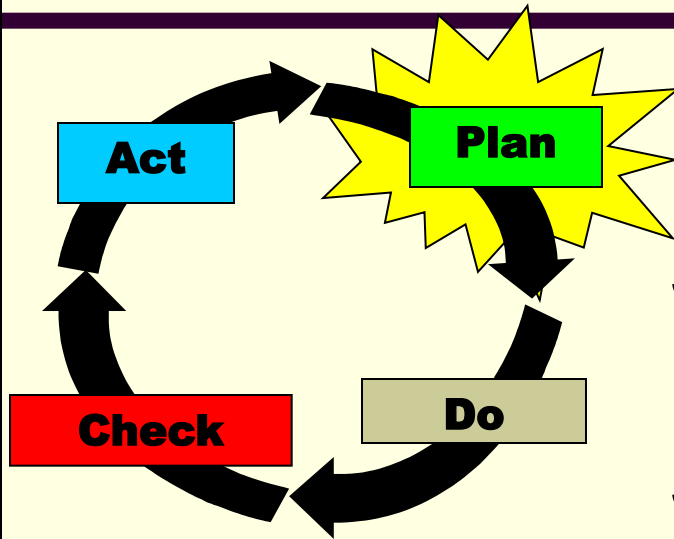
## Pareto Graphs Show Frequency of Problem

### Customer Complaints - Visits to Advisors



# Plan

## Step 4: Determine Root Causes



**Step 1** Select a process & form a team

**Step 2** Understand the current process

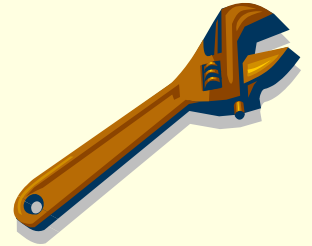
**Step 3** Collect & analyze baseline data

**Step 4** Determine root causes

# Plan

## Step 4: Determine Root Causes – 5 Whys?

### Using the "5 Whys"

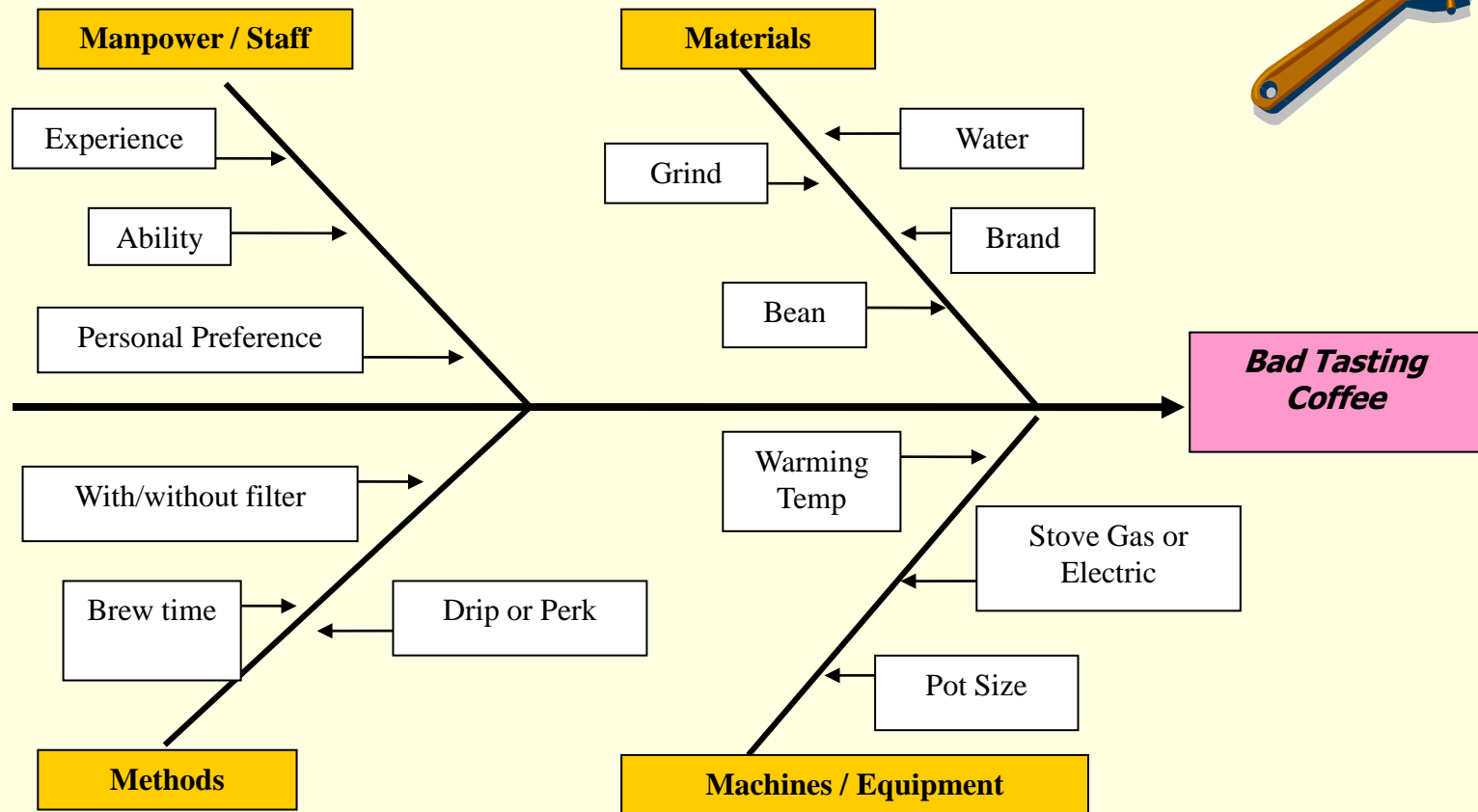


1. Why? ***Why is this a problem?***
2. Why? *...and why is that a problem?*
3. Why? *.....and why is that a problem?*
4. Why? *.....and why is that a problem?*
5. Why? *.....and why is that a problem?*

# Plan

## Step 4 – Determine Root Causes - Cause and Effect Diagram

Why is this problem occurring?



# Exercise

## Determine Root Causes

### **Spin and Marty Case Study - 25 minutes**

- Based upon your problem statement use two of the following tools to analyze the Spin and Marty data:
  - Pareto Chart
  - Cause and Effect Diagram
  - Run Chart
  - 5 Why's

# Plan

## Step 4: Determine Root Causes

---

### Common Missteps

1. Collecting the wrong data to analyze a situation
2. Combining data from different sources
3. Data collectors use different procedures because there was no training in how to do the collection.
4. Inconsistent methods are used in data collection

*Any others you have experienced?*

# Root Causes

## Looking for Waste

---

1. Over production due to emphasis on supply rather than demand
2. Waiting (queues)
3. Over processing
4. Excess inventory
5. Unnecessary movement
6. Defects or correction due to reworking
7. Unnecessary transport



# Root Causes

## Looking for Waste

---

- Physical, risk of becoming non-compliant, health
  - *Poor work ergonomics*
  - *Meetings targets at all cost*
  - *Poor scheduling or priorities*
  - *Too many meetings reducing normal workday hours, leading to burnout*



# Root Causes

## Looking for Waste

---

- Precision: complicated and specific steps
  - Hidden knowledge,
  - Processing beyond requirements
- High skill: Excessive knowledge, skill, or experience required

# Root Causes

## Looking for Waste

- Sensitivity: process easily broken by exceptions
  - inconsistent behavior
  - unclear ownership,
  - customer requirements unclear or not communicated, unclear who needs data & information
- Variability: inconsistent and difficult to maintain
  - unpredictable results
  - undefined policies and procedures
- Under utilized people: loss of potential or reduced motivation,
  - inefficient use of human capital

*Source: Steelcase, Inc.*

# Root Causes

## Stabilize – Reduce Variation – Two Types

---

- **Common Cause Variation**
  - Natural
  - Ever-present source of natural fluctuation
- **Special Cause Variation**
  - Unnatural
  - Due to unpredictable or intermittent events

# Waste

## Reduce or Eliminate Variation

- **Reduce or Eliminate Variation**
  - Is the process stable?
  - Is the process unstable?
  - Can we standardize?
  - Can we eliminate waste?

*Can we  
eliminate waste?*



# Waste

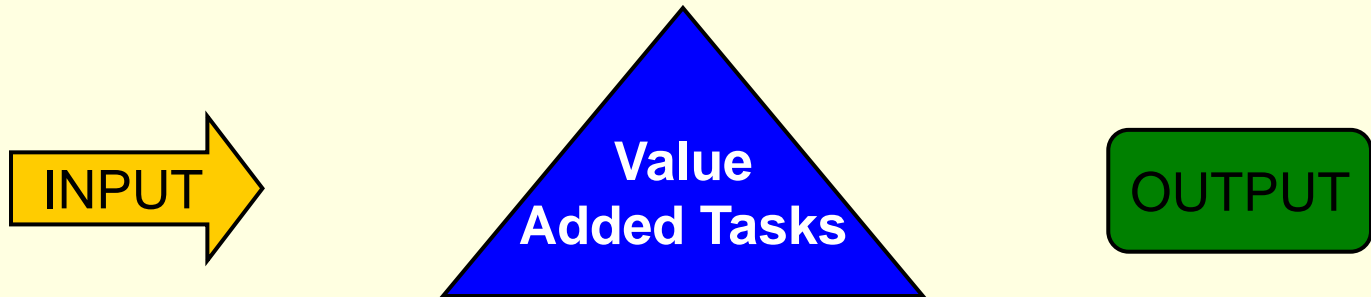
## Reduce Complexity

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- **Simplifying to:**
  - Reduce the number of steps
  - Eliminate rework
  
- **Standardizing to:**
  - Ensure process consistency
  - Reduce errors

# Waste

## What Work Is Value Added?



### What does value mean?

1. The customer is willing to pay for this activity.
2. It must be done right the first time.
3. The action must somehow change the product or service in some manner.



# Waste

## What Is Value Added?

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- **Value Added**

- An activity which changes the form, fit, or function...enhancing value
- ...from the *customer's perspective*.

- **Non-Value Added = Waste**

- Does not transform in any helpful way

# Review / Next Steps

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## **Review**

Run Charts, Pareto Graph

Root Causes 5 whys, Cause & Effect

Waste & Value Added

## **Next Steps**

Decision / Solution

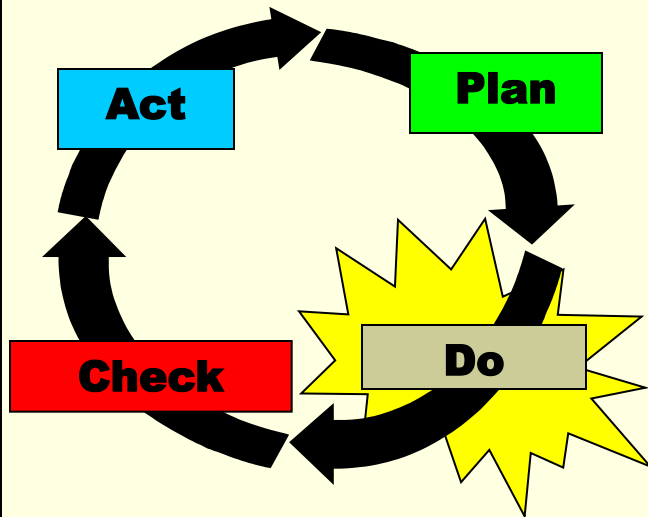
Multi-Voting

Green-lighting



# **DO:** Develop and Implement Solutions!

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**Step 5** Generate and  
Select Potential  
Solutions

**Step 6** Implement the  
Solutions

# Do

## Step 5: Generate & Select Solutions

### Decision Solution Matrix

Step 1) Team identifies the important solution criteria (typically 4-7)

Step 2) Team ranks (scale 1 – 10 best) the importance of each criteria

Step 3) List the possible solutions across the top

Step 4) Team scores (scale 1 – 10) 1st solution to each criteria, then 2<sup>nd</sup>

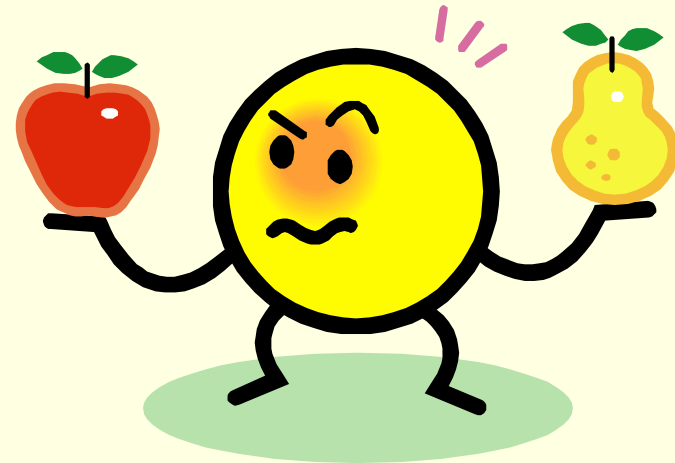
Step 5) Analyze results and select solution with highest score

Decision Solution Matrix					
Criteria	Overall Criteria Ranking (column a)	Solution A Scores of Criteria (column b)	Solution A Score (a x b)	Solution B Score of Criteria (column c)	Solution B Score (a x c)
Impact on root cause	10	10	100	6	60
Training	6	8	48	9	54
Failure Risk	3	7	21	10	30
Total			<b>169</b>		<b>144</b>

# Tools to help you select the best solutions..

## ■ Multi-Voting:

appropriate for making simpler decisions



## ■ Decision Matrix:

For more complex decisions that involves multiple criteria



# Car Buying Exercise



*2009 HONDA PILOT  
SUV  
VS.  
2009 FORD FUSION  
HYBRID SEDAN*



# Using the Decision Matrix to help me decide....

Decision Solution Matrix					
Criteria	Overall Criteria Ranking (weighted 1-10) (column a)	Honda score of Criteria (column b)	<b>Honda</b> Score (a x b)	Ford score of Criteria (column c)	<b>Ford</b> Score (a x c)
Safety Rating	9				
Cargo Space	7				
Cost of Ownership	6				
Gas Mileage	5				
The “WOW” factor	5				

# I ended up buying this one...



# Review / Next Steps

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## **Review**

Decision / Solution

Multi-Voting

Green-lighting

## **Next Steps**

Preparing report to sponsor

Final presentation

# Exercise

## Prepare a Report to Sponsors

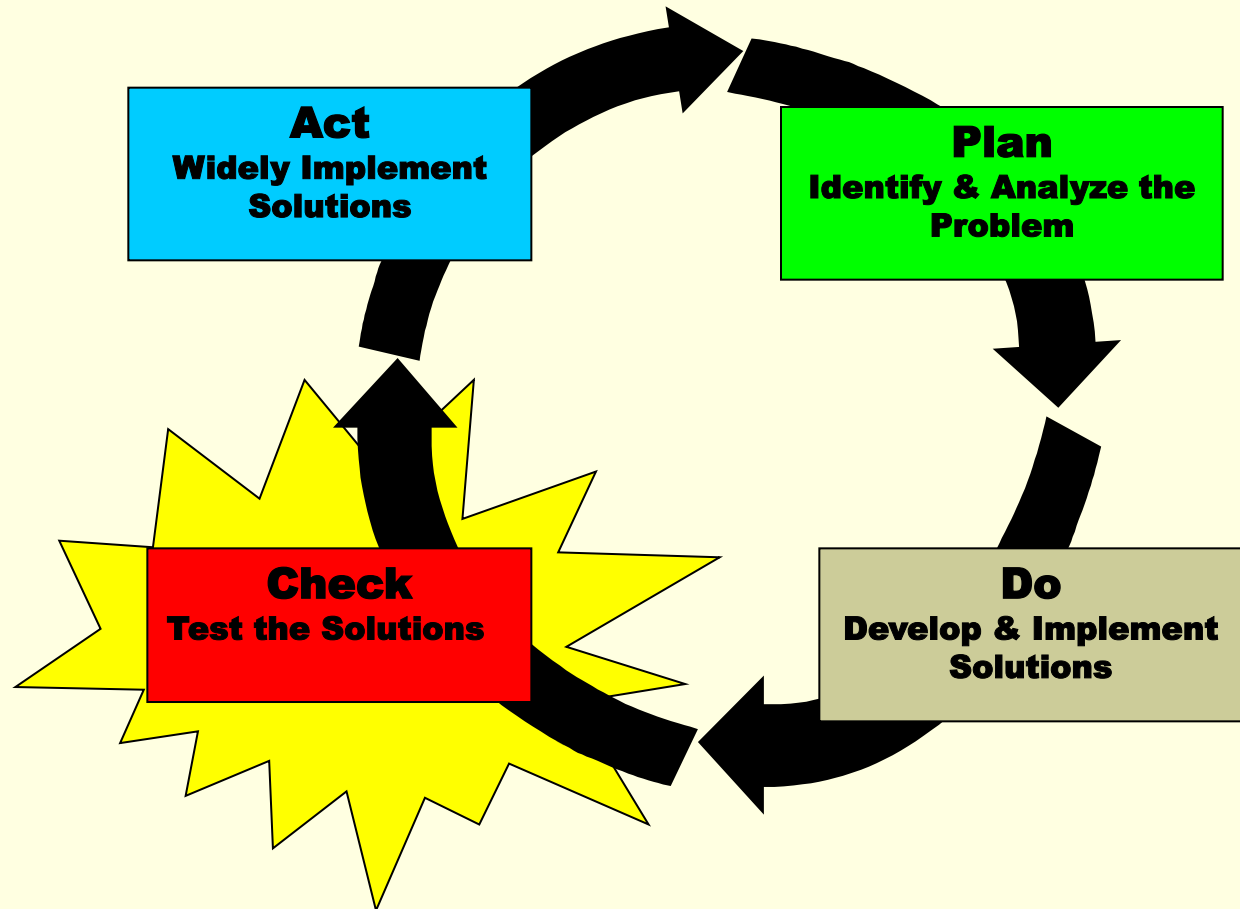
### Final Presentation Pre-view

**Team Exercise:**      **45 minutes preparation**  
                                 **15 minute break**  
                                 **35 minute report out**

- Finalize problem and goal statements
- Determine Process Boundaries (begin/end)
- Complete “As Is” Process Flow
- Use of one of the data analysis tools
- Identify Root Cause
- Propose Solution (show how you made the decision)

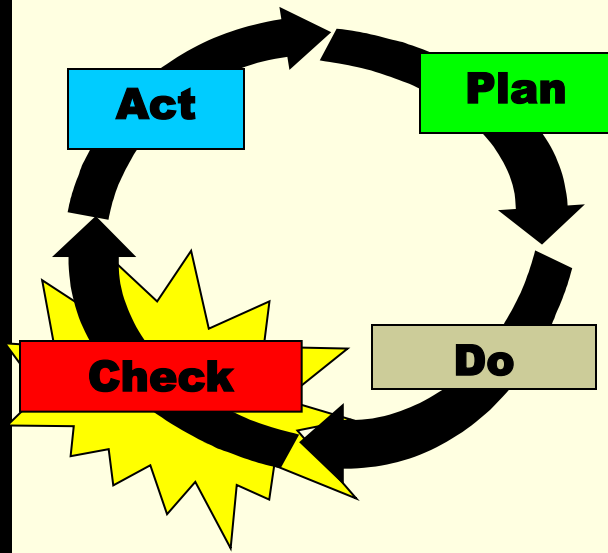


# Plan - Do - Check - Act Cycle



# CHECK: Test the Solutions

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**Step 7 Gather and Analyze Data on the Pilot Implementation**

# Check

## Step 7: Evaluate Pilot Results

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### What did we learn?

1. Did the change in process eliminate the root cause of the problem?
2. Is the data from the process after implementation closer to the goal than before improvement?
3. Were expected results achieved?
4. If there was no change, identify why.

# Check

## Step 8: Standardize the Solutions

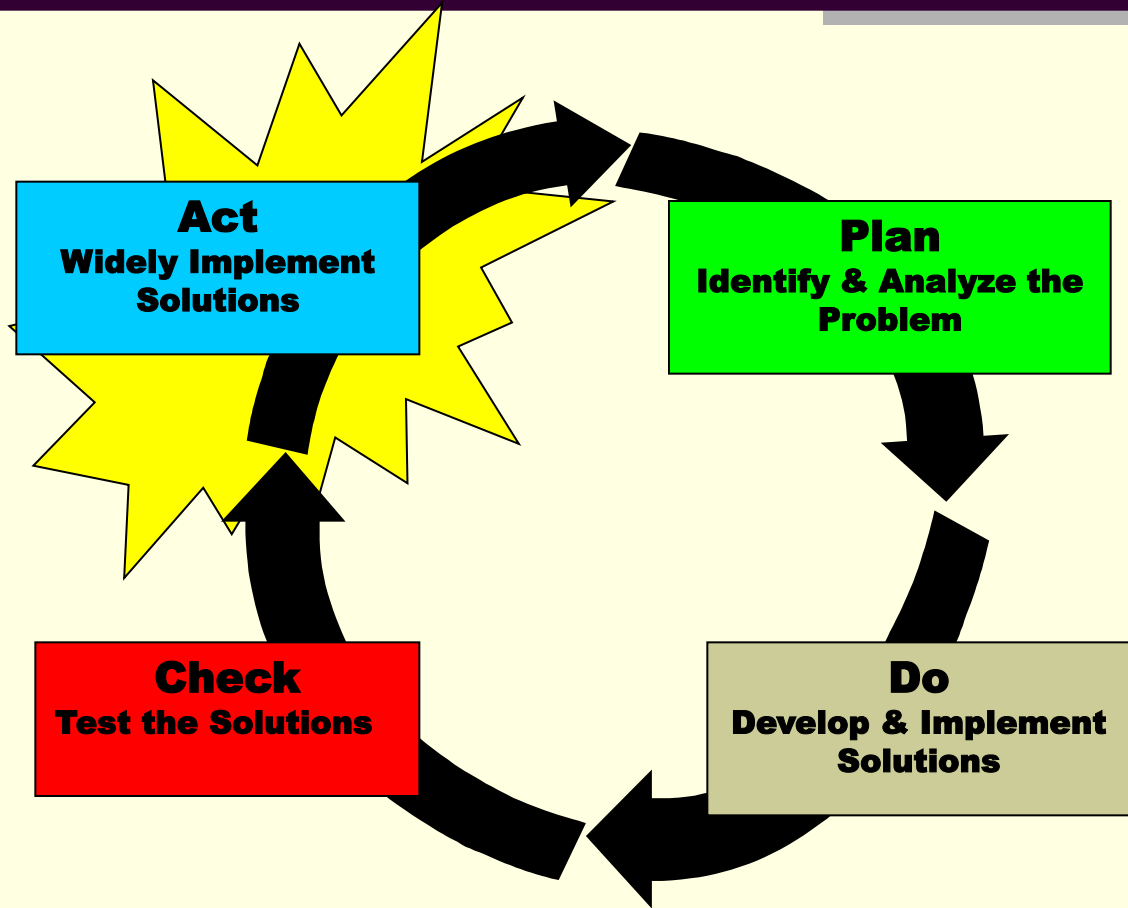
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### Evaluate the Pilot

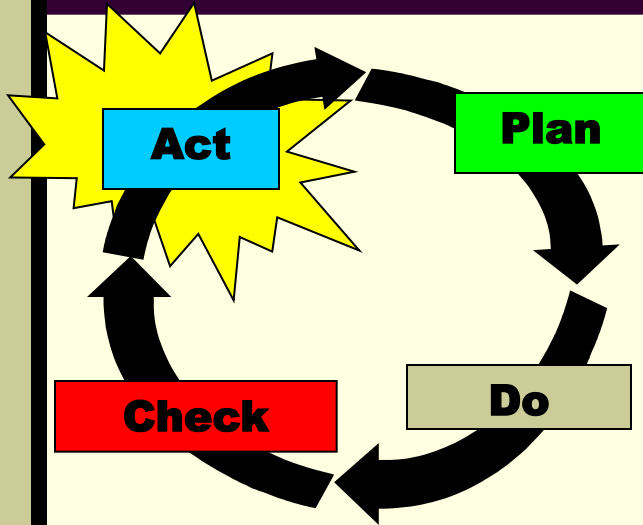
- Usually, things do not go completely as planned or intended during the pilot
- Assess need for changes to the solutions
  - Option 1 – Full implementation
  - Option 2 – Adjust then implement
  - Option 3 – Scrap this solution – start over

If too many problems were encountered,  
another pilot may be necessary

# Plan - Do - Check - Act Cycle



# ACT: Widely Implement Solutions



**Step 8 Standardize the Solutions**

**Step 9 Implement Widely**

**Step 10 Look for Other Opportunities**

# Act

## Step 9: Implement Widely

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### **Tips for successful full-scale implementation**

- Gain Sponsorship
- Appoint Project Manager
- Implementation and proceed with Communication Plan
- Revise Policies and Procedures
- Train staff and customers affected

# Act

## Continuous Learning in Focus

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1. Can this process be further improved?
2. Can this change method be used to improve a different problem?
3. Are there other problems that the process partners can work on?
4. Can some parts of the solution be applied to other problems
5. Can this team teach the process improvement methods to others?



# Act

## Just Do it – *Let's Implement This!*

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- Something simple and easy to change
- No cross-functional impact
- Limited cost or complexity
- Make certain that any process partners and/or customers would benefit!

# Act

## Just Do it – *Let's Implement This!*

- **“Together We Can Do It” – Cross-Functional Team**
- May be more complex or costly to implement.
- Would benefit by having customer perspective represented on the team.
- These projects are chartered, sponsored and have a team and team leader

# Act

## Just Do it – *Remember*

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- **Always** - Communicate within the team, with your manager, and with anyone who would be impacted - before implementing a change.
- **Always** - Have a feedback mechanism so you know what kind of impact your change has made – customers in particular!
- **Never** - Sub-Optimize: Don't change something that makes your life easier but that also has a negative impact on someone else.

# Closing

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- Highlights
- Any questions
- Electronic survey